

## OP Online payments

### Overview

Checkout can be used to accept Op Online bank payments.

Integration options supported: Hosted payment page (HPP) or IFRAME.

This guide requires familiarity with [Accepting payments](#).

### Integrate Op Online Payments via Checkout

Parameters	Type	Required	Description
<code>currency_code</code>	String	Yes	Supported currencies: EUR
<code>amount</code>	Integer	Yes	Transaction amount
<code>customer</code>	String	No	ID of a Customer created via the <a href="#">Customer API</a> . A customer object can be created and attached to a Checkout
<code>configurations.bank</code>	Object	Yes	Object carrying the parameters required for making a Bank payment
<code>dynamic_descriptor</code>	String	No	Short text to be displayed on the bank statement of the cardholder. Support varies per Payment Contract
<code>authorization_type</code>	String	No	Authorization Type (FINAL_AUTH)
<code>shopper_interaction</code>	String	No	Enum: "ECOMMERCE" "MAIL". Indicates the channels used by the shopper to send the payment data for transactions
<code>configurations.bank.op</code>	Object	No	Object carrying the parameters required for OP Bank payments
<code>payment_contract_id</code>	String	Yes	This ID can be found in the portal or given to you by a Verifone employee. It is used to retrieve a merchant's OP bank credentials necessary for payment

Parameters	Type	Required	Description
multi_bank_payment_option	Boolean	No	Indicator for using OP partner banks (example: Nordea, Danske Bank, S-Pankki and others)

## Authorization and capture

You can use Op Online Payment transactions through the Checkout to do a sale transaction (authorization + capture in the same step).

### Sending a checkout request using Op Online Payment method:

```
{
  "currency_code": "EUR",
  "entity_id": "466c5c59-5177-45c2-b9a7-41ac422ef1fa",
  "customer": "deebacec-cd75-4ce5-9641-bfc40de5710d",
  "configurations": {
    "bank": {
      "dynamic_descriptor": "Test Product",
    }
  },
  "op": {
    "payment_contract_id": "98a003be-03f2-43c4-a89c-36021fa63635",
  }
},
"amount": 4300,
"merchant_reference": "Test",
"return_url": "http://enbyhy7yz2lg98r.m.pipedream.net",
"interaction_type": "HPP"
}
```

## Handling responses

Whenever a bank to bank transaction is processed via the Checkout, the responses events include the following parameters:

Example of a successful OP Online payment via the Checkout:

```
[
  {
    "type": "SUBMITTED",
    "id": "2207e3b4-3e6d-431f-82b3-08bdfd6f8f1b",
    "timestamp": "2024-04-10T12:18:15.404Z"
  },
  {
    "type": "TRANSACTION_INITIATED",
    "id": "f06259a4-f58c-4ece-8c99-1be4b3759732",
    "timestamp": "2024-04-10T12:18:16.394Z",
    "details": {
      "amount": 200,
    }
  }
]
```

```

"status": "INITIATED",
"id": "549b2e15-eb33-44eb-ac78-c66fdc7bae6b",
"payment_url": "https://api.smn-sandbox.aws.op-
palvelut.fi/customer/payment/multibank/direct/BankoEnablado/startPaymentConfirmation?paymentOperationId=677699a8
-93fc-47a0-9e06-160f1e28dd3de8086758-9805-441d-9690-
a32c43a6149a&paymentOperationValidation=SctHlnsISOSJ7FmkDRsLusQJ0lGkTcaOPAJmDwcG%2Bi8%3D",
"processor": "OP_ONLINE_PAYMENT",
"payment_product": "OP_ONLINE_PAYMENT"
},
{
"type": "TRANSACTION_SUCCESS",
"id": "9a6c3ffe-ce56-4cf5-8879-0f7ec2a31a84",
"timestamp": "2024-04-10T12:18:17.743Z",
"details": {
"id": "549b2e15-eb33-44eb-ac78-c66fdc7bae6b",
"processor_reference": null,
"status": "SETTLED",
"authorization_code": null,
"cvv_result": null,
"details": {
"mid": "230729"
}
},
"reason_code": null,
"rrn": null,
"stan": null,
"additional_data": {
"acquirer_response_code": null,
"initiator_trace_id": null
}
}
]

```

**Example of a failed OP Online payment via the Checkout:**

```

[
{
"type": "SUBMITTED",
"id": "9b28e580-14e4-473d-b404-c5a6b05b4930",
"timestamp": "2024-04-10T12:19:53.760Z"
},
{
"type": "TRANSACTION_FAILED",
"id": "6a2e3da8-97fc-432b-a21b-24053bdfb1ba",
"timestamp": "2024-04-10T12:19:53.863Z",
"details": {
"error": {
"code": 400,
"details": {
"currencyCode": "must be one of the following values: EUR"
}
}
},
"timestamp": 1712751593845,
"message": "At least one parameter is invalid. Examine the details property for more information. Invalid
parameters are listed and prefixed accordingly: body for parameters submitted in the requests body, query for
parameters appended to the requests URL, and params for templated parameters of the requests URL."
},
"operation": "CREATE_ECOM_ORDER",
"service": "ECOM"
}
]
"timestamp": 1712751593845,
"message": "At least one parameter is invalid. Examine the details property for more information. Invalid
parameters are listed and prefixed accordingly: body for parameters submitted in the requests body, query for
parameters appended to the requests URL, and params for templated parameters of the requests URL."
},
"operation": "CREATE_ECOM_ORDER",
"service": "ECOM"
}
]
"timestamp": 1712751593845,
"message": "At least one parameter is invalid. Examine the details property for more information. Invalid
parameters are listed and prefixed accordingly: body for parameters submitted in the requests body, query for
parameters appended to the requests URL, and params for templated parameters of the requests URL."
},
"operation": "CREATE_ECOM_ORDER",
"service": "ECOM"
}
]

```

```

{id": "96d44ef8-74f6-4547-b53d-f4b3d9350b95",
timestamp": "2024-04-10T12:19:53.867Z",
details": {
"errors": [],
service": "CO",
code": 123,
details": {
error": {
code": 400,
details": {
currencyCode": "must be one of the following values: EUR"
},
timestamp": 1712751593845,
message": "At least one parameter is invalid. Examine the details property for more information. Invalid parameters are listed and prefixed accordingly: body for parameters submitted in the requests body, query for parameters appended to the requests URL, and params for templated parameters of the requests URL."
},
operation": "CREATE_ECOM_ORDER",
service": "ECOM"
},
name": "TRANSACTION_FAILED_ERROR",
status": 400,
timestamp": 1712751593862,
traceId": null
}
}

```

To ensure that the redirection request was not tampered with, always check that the `transaction_id` received as query parameter in the redirection matches the `transaction_id` property of the retrieved Checkout. If those are not matching, this is indication of either an incorrect integration, that the redirection to your `return_url` did not originate from Verifone, or `transaction_id` was tampered with.

You can now store the `transaction_id` value together with the order `1234` in your system to link the two together.

### Scenarios

The table below describes the different outcomes of a Checkout. A full list of [error codes](#) is available.

Description	Result	Merchant action
Failed transaction*	Redirect: <code>checkout_id={checkout_id} &amp; transaction_id={transaction_id} &amp; errorCode=123</code>	Unsuccessful payment (technical reason), do not display order confirmation
Successful transaction	Redirect: <code>checkout_id={checkout_id} &amp; transaction_id={transaction_id}</code>	Display order confirmation
Customer visits the URL of an already completed Checkout	Redirect: <code>checkout_id={checkout_id} &amp; errorCode=168</code>	Display corresponding message to the customer. Checkout is completed whenever there was a single successful payment processed through it

Description	Result	Merchant action
Customer visits the URL of an expired Checkout	Redirect: <code>checkout_id={checkout_id} &amp; errorCode=169</code>	Display corresponding message to the customer. Checkout is expired whenever the <code>expiry_time</code> is reached
Customer visits the URL of a Checkout which has reached the maximum of failed payment attempts	Redirect: <code>checkout_id={checkout_id} &amp; errorCode=165</code>	Display corresponding message to customer. Payments through a single Checkout can be attempted up to three times unsuccessfully
Form validation errors / Other service failures on the Checkout page	Displays error alert to Customer on the page	Customer is prompted to correct their form input and retry the payment or try using alternate card or payment method

\*\*\* Failed transaction - Depending on which step in the payment process failed, the `transaction_id` might not always be present as the query parameter